

Status of E-906/SeaQuest

– an unpolarized fixed-target Drell-Yan experiment

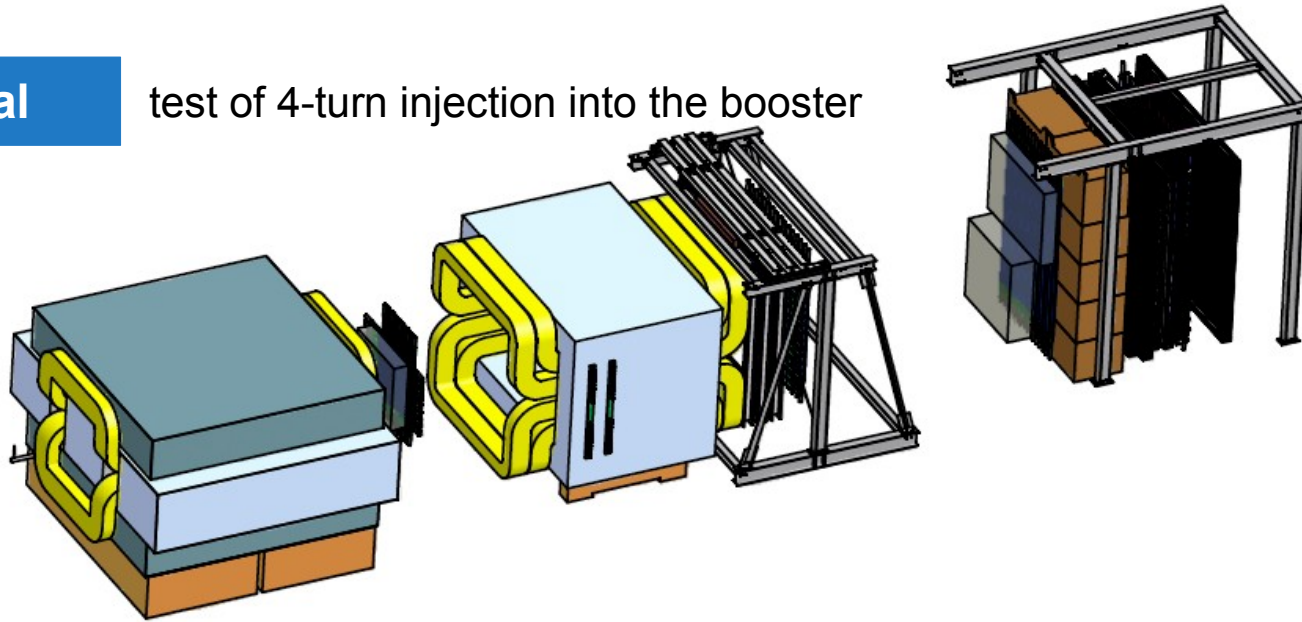


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Spectrometer Status and Plans

Operational

test of 4-turn injection into the booster



Target

liquid targets: **H₂** and **D₂**, solid state targets: **C**, **Fe**, **W**; positions calibrated, preparation for test of 45s cycle period, required during feeder replacement
operational, improved cooling, precise magnetic field calibration (<1%))

FMAG (2000A) KMAG (1600A)

Hodoscopes

timed in precisely (+/- 1ns), high efficiency, well tested during trigger studies

Drift Chambers

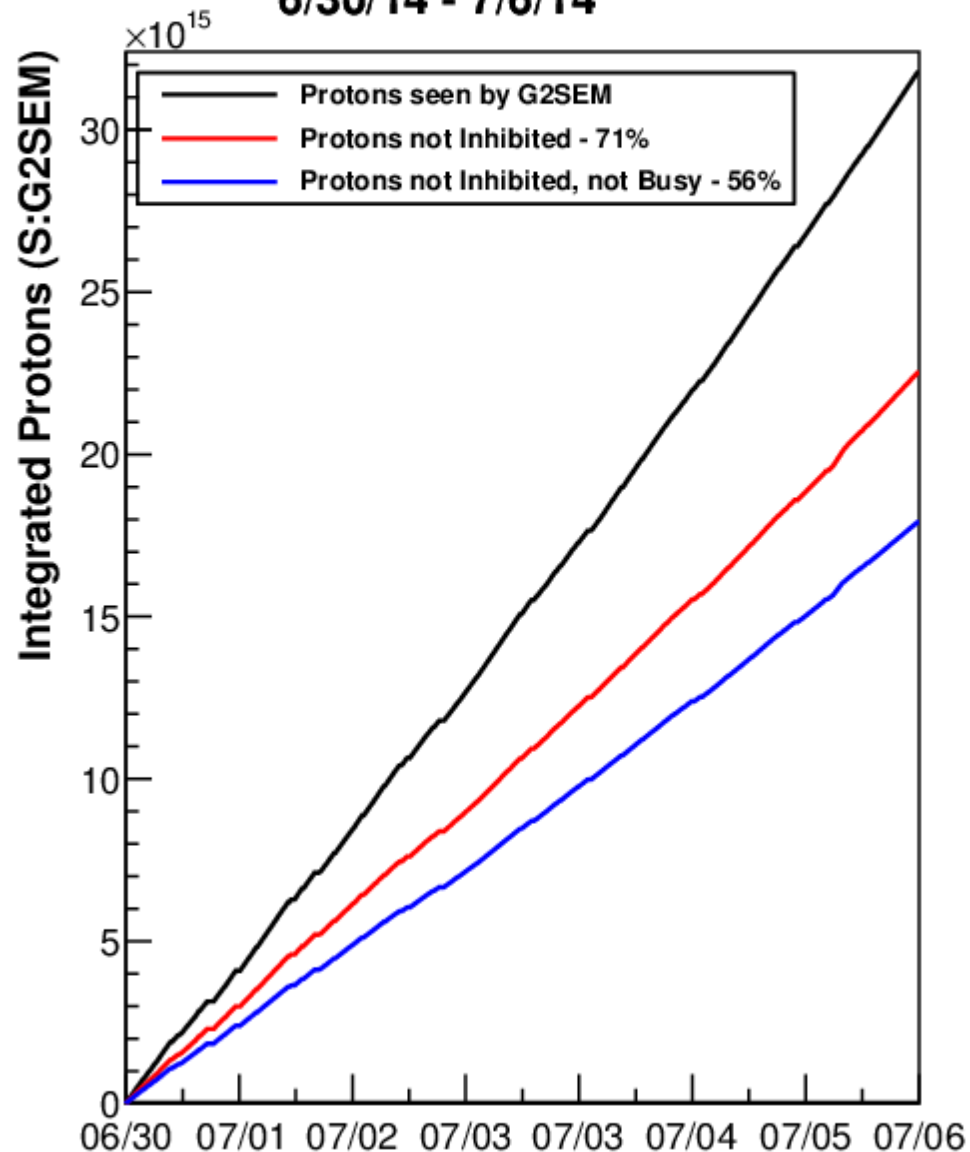
operating stable (also at 2e12 ppp), high efficiency, high leak currents in D3p decreased, further investigation of noise in D1 and D3p

DAQ

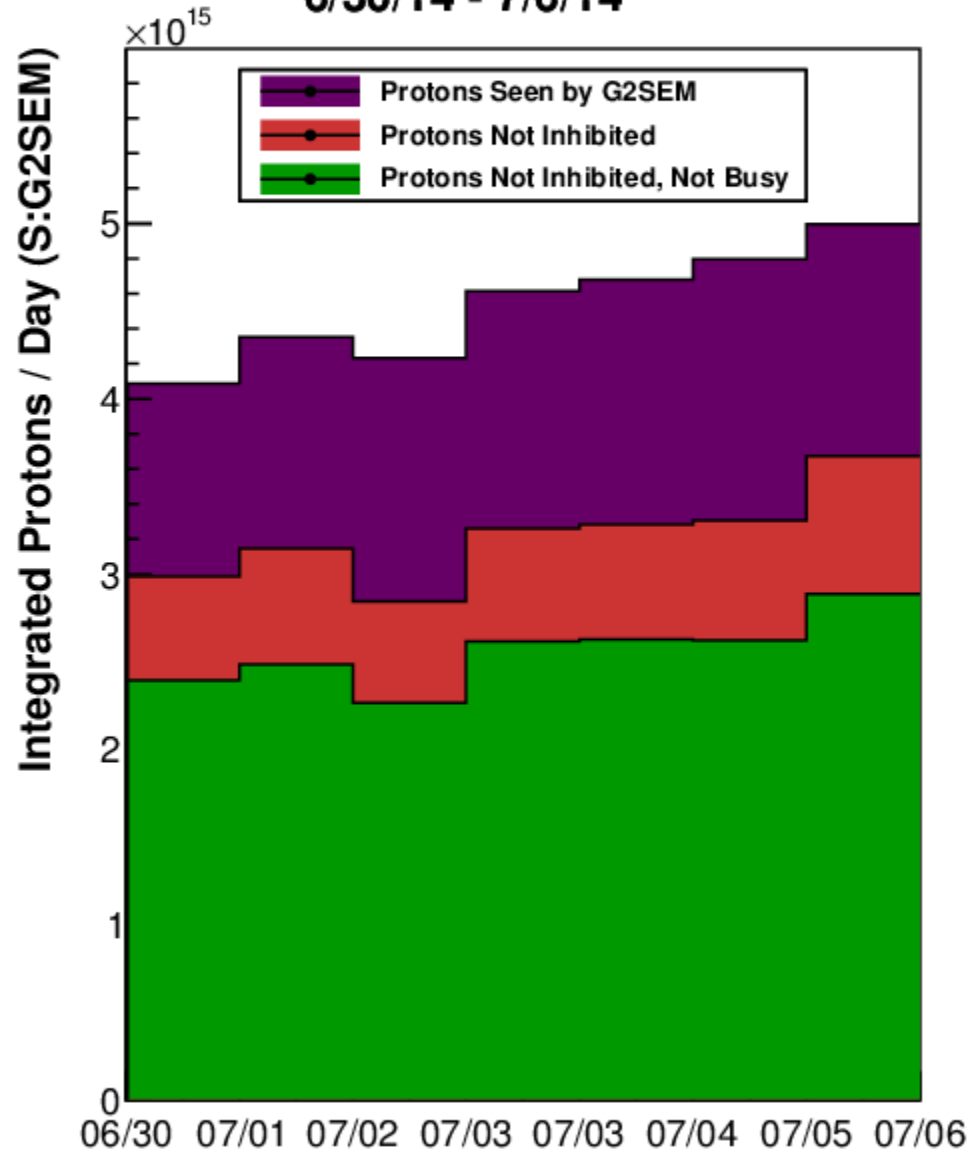
continuous data taking, reduced DAQ dead time < 140us

Data Taking

SeaQuest Integrated Protons
6/30/14 - 7/6/14



SeaQuest Protons per Day
6/30/14 - 7/6/14



Status of the Analysis

- data taking:

02/20	09/05	after fall shutdown
start of physics run	fall shutdown	continue physics run

- presentation of first preliminary physics results at DNP 2014
- track and dimuon reconstruction** (from small data sample):

